1. A sheet laminate entry material for drilling a printed circuit board, comprising:

5 a metal sheet;

a base sheet;

said base sheet coupled to said metal sheet with an adhesive; and a particulate lubricant homogeneously disbursed throughout said adhesive.

CLAIMS

- 2. An entry material as recited in claim 1, wherein said adhesive comprises epoxy resin.
- 3. An entry material as recited in claim 1, wherein said particulate lubricant comprises organic graphite homogeneously dispersed throughout said adhesive.
- 4. An entry material as recited in claim 1, wherein said particulate lubricant comprises polyethylene glycol.
- 5. An entry material as recited in claim 3, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of graphite homogeneously dispersed throughout the adhesive.

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- 6. An entry material as recited in claim 5, wherein said graphite has a diameter of approximately 3 microns to approximately 50 microns.
- 7. An entry material as recited in claim 4, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of polyethylene glycol homogeneously dispersed throughout the adhesive.
 - 8. An entry material as recited in claim 5, wherein said polyethylene glycol lubricant has a molecular weight from approximately 600 to approximately 4000.
 - 9. A sheet laminate entry material for drilling a printed circuit board, comprising:
 - a first metal sheet;
 - a second metal sheet;
 - a fibrous core;

said fibrous core coupled to said first metal sheet with an adhesive;

said fibrous core coupled to said second metal sheet with an adhesive; and

a particulate lubricant equally disbursed within said adhesive.

10. An entry material as recited in claim 9, wherein said adhesive comprises epoxy resin.

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- 11. An entry material as recited in claim 9, wherein said particulate lubricant comprises organic graphite homogeneously dispersed throughout said adhesive.
- 5 12. An entry material as recited in claim 9, wherein said particulate lubricant comprises polyethylene glycol.
 - 13. An entry material as recited in claim 11, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of graphite homogeneously dispersed throughout the adhesive.
 - 14. An entry material as recited in claim 13, wherein said graphite has a diameter of approximately 3 microns to approximately 50 microns.
 - 15. An entry material as recited in claim 12, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of polyethylene glycol homogeneously dispersed throughout the adhesive.
- 16. An entry material as recited in claim 12, wherein said polyethylene glycol lubricant has a molecular weight from approximately 600 to approximately 4,000.

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17. A sheet laminate entry material for drilling a printed circuit board, comprising:

a metal sheet;

a paper sheet;

5 a fibrous core;

said fibrous core coupled to said metal sheet with an adhesive; said fibrous core coupled to said paper sheet with an adhesive; and a particulate lubricant disbursed within said adhesive.

- 18. An entry material as recited in claim 17, wherein said adhesive comprises epoxy resin.
- 19. An entry material as recited in claim 17, wherein said particulate lubricant comprises organic graphite homogeneously dispersed throughout said adhesive.
- 20. An entry material as recited in claim 17, wherein said particulate lubricant comprises polyethylene glycol.
- 21. An entry material as recited in claim 19, wherein said lubricant comprises
 20 approximately 0.1% to approximately 10% by weight of graphite homogeneously
 dispersed throughout the adhesive.

- 22. An entry material as recited in claim 19, wherein said graphite has a diameter of approximately 3 microns to approximately 50 microns.
- 23. An entry material as recited in claim 20, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of polyethylene glycol homogeneously dispersed throughout the adhesive.
 - 24. An entry material as recited in claim 20, wherein said polyethylene glycol lubricant has a molecular weight from approximately 600 to approximately 4000.
 - 25. A sheet laminate exit material for drilling a printed circuit board, comprising:

a metal sheet; and

a baseboard;

said baseboard bonded to said metal sheet with an adhesive; said baseboard including a particulate lubricant.

26. An exit material as recited in claim 25, wherein said adhesive is an epoxy resin.

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- 27. An exit material as recited in claim 25, wherein said particulate lubricant of said baseboard comprises graphite at approximately 1 percent by weight to approximately 10 percent by weight.
- 28. An exit material as recited in claim 25, wherein said particulate lubricant of said baseboard comprises polyethylene glycol at approximately 0.1 percent by weight to approximately 10 percent by weight.
 - 29. An exit material as recited in claim 28, wherein said polyethylene glycol lubricant in said baseboard has a molecular weight from approximately 600 to approximately 4,000.
 - 30. An exit material as recited in claim 25, wherein said adhesive further comprises a particulate lubricant.
 - 31. An exit material as recited in claim 30, wherein said particulate lubricant comprises organic graphite homogeneously dispersed throughout said adhesive.
- 32. An exit material as recited in claim 30, wherein said particulate lubricant comprises polyethylene glycol.

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- 33. An exit material as recited in claim 31, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of graphite homogeneously dispersed throughout the adhesive.
- 34. An exit material as recited in claim 31, wherein said graphite has a diameter of approximately 3 microns to approximately 50 microns.
 - 35. An exit material as recited in claim 32, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of polyethylene glycol homogeneously dispersed throughout the adhesive.
 - 36. An exit material as recited in claim 32, wherein said polyethylene glycol lubricant in said adhesive has a molecular weight from approximately 600 to approximately 4,000.
 - 37. An exit material as recited in claim 25, further comprising a second metal sheet bonded to said baseboard.
- 38. An exit material as recited in claim 25, further comprising a paper sheet bonded to said baseboard.

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39. A method for drilling a printed circuit board, comprising:

providing an entry material, said entry material comprising a first metal sheet bonded to a core and a second metal sheet bonded to a core, said metal sheets bonded with an adhesive including a particulate lubricant;

providing an exit material, said exit material having a metal sheet and a baseboard bonded to said metal sheet with an adhesive, said baseboard including a particulate lubricant;

placing a work piece between said entry material and said exit material; and drilling through said entry material, said work piece and said exit material.

40. A method as recited in claim 39, wherein said exit material further comprises a particulate lubricant within said adhesive.

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